33216M534833

Declaration and Power of Attorney United States Patent Application

UNITED STATES Patents and Design Patents Sole & Joint Inventors Convention & Non-convention PCT & Non-PCT

#3

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural This form cannot be amended, altered or changed after it is signed (For use only for inventors who understand the English language)

| names are liste | d below) of the | subject i | natter which | is claimed ar | nd for which a par | ent is sought on the | invention | entitled | | understand the English |
|-----------------|-----------------|-----------|--------------|---------------|--------------------|----------------------|-----------|----------|-----|------------------------|
| INT | ER-DIG | ITAL | TRANSI | UCER, | SURFACE | ACOUSTIC | WAVE | FILTER | AND | COMMUNICATION |
| API | PARATUS | USI | NG THE | SAME | | | | * | | |

| | APPARATUS | USING | THE SA | ME" | | | | | | |
|---------|------------------------------|-------------|------------|---------------|----------|-------------|-----------|----------------|---|-------------|
| check o | ne) 🛘 🗆 is attach | ed hereto. | | 10/051, | 310 Janu | ary 22, | 2002 | | | |
| | was file | d as U.S. A | pplication | No | on | and (if ap) | olicable) | was amended of | n | |
| | was file | d as PCT In | ternationa | l Application | No | | | | | nended unde |
| | PCT Artic | le 19 on | | | | | | - 10 // | , | |

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above 1 acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56*

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign and PCT application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America listed in this Declaration 1 have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application(s) on which priority is

| Foreign/PCT Application No. | Country | Filing Date | Priority Claimed? (yes/no) |
|-----------------------------|---------|-------------|----------------------------|
| HEI 8-128,760 | JAPAN | 5/23/1996 | YES |
| HEI 8-230,016 | JAPAN | 8/30/1996 | YES |
| HEI 9-004,894 | JAPAN | 1/14/1997 | YES |
| 2001-211345 | JAPAN | 7/11/2001 | YES |

I have by claim the benefit under Title 35, United States Code, §120 or §365(c) of any United States application and PCT international application designating the United States of Winerica listed in this Declaration and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| U.S. Application No. | Filing Date | Status (patented/pending/abandoned?) |
|--------------------------|-------------|--------------------------------------|
| 08/862,383 | 5/23/1997 | PATENTED (5,990,762) |
| 09/390,653 09/794,035 | 9/7/1999 | PENDING |
| 09/794,035 | 2/28/2001 | PENDING |
| | | |

| Laki | | |
|---|--|---|
| I hereby claim priority benefits under Titl | e 35 United States Code \$119(e) of any U. | S. provisional application(s) listed below: |
| U.S. Provisional Application No. | Filing Date | 1 |
| | 1 mg Duo | |
| 100 0 | i | |

Full name of sole or first inventor: Hirovuki NAKAMURA

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith; Robert G. Weilacher (20,531), Herbert M. Hanegan (25,682), Dale Lischer (28,438), Frederick F. Calvetti (28,557), J. Rodgers Lunsford, III (29,405), Michael A. Makuch (32,263), Dennis C. Rodgers (32,936), Mary A. Montebello (33,021), Michael K. Carrier (42,391), Eric J. Hanson (44,738), Patrick R. Delaney (45,338) Brandon S. Boss (46.567), and Brett L. Nelson (48,119).

Send all correspondence to: SMITH, GAMBRELL & RUSSELL, LLP, 1850 M Street, N.W. (Suite 800), Washington, D.C. 20036. All facsimiles may be sent to (202) 263-4329. Direct all phone calls to (202) 659-2811.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Full name of sole or first inventor: Residence (city, state, country): Post office address: | Hiroyuki NAKAMURA Katano-shi, Osaka 576-0016 JAPAN 5-3-1-206, Hoshida, Katano-shi, Osaka 576-0016 JAPAN | | | Citizenship: JAPAN |
|---|---|-------------|---------|--------------------|
| Signature: <u>Wroyakl</u> | nakamura | Date: April | 1, 2002 | • |
| Full name of second joint inventor, | if any: Toru YAMADA | | | Citizenship: JAPAN |

Residence (city, state, country): Katano-shi, Osaka 567-0033 JAPAN Post office address: 4-69-7, Kisaichi, Katano-shi, Osaka 576-0033 JAPAN

Date: April 1, 2002 Signature: Additional inventors and/or prior applications are listed in attached Supplemental Sheet(s). SGR/BDWY

| Supplemental Sheet to | U.S. Declar | ation and Pow | ver of Atorney | . 00/ | WY-1 supp.) |
|---|-------------|--|--|---------------|---------------------------|
| Additional Inventor(s): | | | APR 1 1 20 | nur iğ | |
| Full name of third joint inventor, Residence (city, state, country): Post office address: | Yaw | Kazunori NISHIMURA Yawata-shi, Kyoto 614-8047 JAPA THADELHOO 7-1-120, Yawatatsukiyoda, Yawata-shi, Kyoto 614-8047 JAPA | | | Citizenship: JAPAN PAN |
| Signature: <u>Kazunovi</u> | Rishimura | | Date: April 1 | , 2002 | _ |
| Full name of fourth joint invento Residence (city, state, country): Post office address: | Kob | nio ISHIZAKI e-shi, Hyogo 658-0 502, Okamoto 3-ch | Citizenship: JAPAN ogo 658-0072 JAPAN | | |
| Signature: Toskio t | Chijaki | | Date: April 1, | 2002 | - |
| Full name of fifth joint inventor, Residence (city, state, country): Posttoffice address: | Izum | hiro MITA isano-shi, Osaka 5 -30, Nakashou, Izu | 98-0002 JAPAN ımisano-shi, Osaka 59 | 8-0002 JAPAN | Citizenship: JAPAN |
| Signature: <u>harihira</u> | mita | 2 | Date: April 1, | 2002 | |
| Full name of sixth joint inventor, Residence (city, state, country): Post office address: | if any: | | | | Citizenship: |
| Signature:Additional Foreign/PCT Applicat | | Date: | | | |
| Foreign/PCT Application No. | Country | | Filing Date | Pri | ority Claimed? (yes/no) |
| | | | | | |
| | | | | | |
| Additional U.S. Applications: | | | | | |
| U.S. Application No. | Filing Date | | Status (patented/pend | ing/abandonea | ?) |
| | | | | | |
| Additional Provisional U.S. Appl | ications: | · | | | |
| U.S. Provisional Appli | | Filing Date | | | |
| | | | | | |
| | | H-A#H | | | |